

7.1 A/V Surround Receiver features HDMI repeater, conversion, XM-HD Surround and iPod command and control capability.



Audio section

■ Fully discrete 7-channel high power amplifiers

Front	100 W + 100 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
Center	100 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
Surround	100 W + 100 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
Surround Back	100 W + 100 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)

■ High-quality sound reproduction

- New high resolution 32bit floating point DSP
- 96 kHz processing circuit
- 24 bit, 192 kHz capability high resolution D/A conversion

■ Denon's basic design for high-quality sound reproduction

- Power transformer for high power driven
- Twin drive rectifier
- Large aluminum extruded heatsink

■ Wide-Range Play Capability for DVD-Audio and Super Audio CD

The power amp circuits of the AVR-887 have been meticulously designed to reproduce the exceptionally high sound quality with wide frequency response from 10 Hz to 100 kHz.

■ Dual-Channel surround back power amp for 7.1 surround

The AVR-887 is equipped with a total of 7 power amps including 2 for the Surround Back channel speaker to give you more clearly defined sound localization at the rear for 6.1-channel surround sources such as DTS-ES Discrete 6.1, DTS-ES Matrix 6.1, Dolby Digital EX, and DTS-ES NEO:6.

■ Supports the most advanced surround playback formats

- DTS 96/24 Decoding for DVD-Video
- DTS-ES Discrete 6.1 and Matrix 6.1
- DTS NEO:6
- DTS
- Dolby Digital
- Dolby Digital EX
- Dolby Pro Logic II
- Neural Surround

■ Cinema Equalizer

The sound from movie sources recorded in Dolby Digital, DTS or other formats emphasises high-frequency range due to a theater's front speakers being placed behind the movie screen. If this sound is reproduced in the home theater without correction, the high-frequency range is too strong. The AVR-887 features a Cinema Equalizer to correct these high-frequency components so that the sound is clearer and easier to listen to. (For Dolby Digital, Dolby Pro Logic II, Dolby Digital EX and DTS surround modes)

■ Pure Direct mode, for the pure enjoyment of music in high-quality sound

Video section

■ HDMI In/Out terminals and repeater function (Supports 1080p signal)

The AVR-887 is equipped with 2 HDMI inputs, as well as 1 output, allowing the selection of multiple digital video signals. The HDMI terminals also accept multi-channel digital audio input and the input signals can be output via amps.

■ Video Up/Down conversion capable of output to HDMI

The AVR-887 includes a video up/down conversion function that allows the unit to be connected to the video monitor via a single cable regardless of the video input signal's format as follows:

- 1) Composite video signals are converted to HDMI, component video, & S-video;
- 2) S-video signals are converted to HDMI, component video, & composite video;
- 3) Component video signals are converted to HDMI

■ Component video circuits which maintain flat response up to 100MHz, ensuring sharp image quality

■ 3 sets of component video inputs

Connectivity/ Expandability

■ ASD-1R Control Dock for iPod® (option): Supports iPod playback when connected to the AVR-887

iPod (*1) playback can be enjoyed through the AVR-887 when the ASD-1R, Denon's original Control Dock for iPod (sold separately), is connected to the dedicated control terminal of the AVR-887. The iPod can also be controlled via the remote controller supplied with the AVR-887.



Black version is also available.

*1) Supports 3rd-generation and later iPods equipped with a Dock connector. Some functions may not work depending on the generation of the iPod and the version of the software.

■ XM Mini-Tuner Ready* (Supports XM 5.1ch surround powered by Neural Audio)

*Optional XM Mini-Tuner and subscribes are required.

■ Auto Setup and RoomEQ with Microphone

The AVR-887 includes an Auto Set-up function that performs basic settings for the speakers based on frequency response data for the speakers and the listening room that was measured by a supplied high-performance microphone, and a Room EQ (equalizer) function that optimizes frequency response characteristics for the listening room.

AVR-887

■ Assignable surround back (L/R) amplifiers for front (L/R) channel bi-amping, or for Multi-zone playback

Amplifiers initially reserved for Surround back (L/R) channels can be assigned to bi-wire Front (L/R) channels to improve playback quality in the front for enhanced listening enjoyment. Or the amplifiers can be assigned to Zone 2 speakers.

■ 8ch EXT. IN terminal

■ Remote In/Out Ports

Other features

■ Audio Delay Function (0 - 200 msec.)

■ Personal Memory Plus, for Easy Operation

The AVR-887 includes the Personal Memory Plus function that automatically remembers the surround mode you last used for each program source, so that you do not need to select the mode again for that program.

■ Variable subwoofer crossover switching

(40/60/80/90/100/110/120/150/200/250Hz)

■ On Screen Display

■ 5 Channel/ 7 Channel Stereo Mode

■ 3 User Mode Buttons

■ 2-line dot matrix display

■ Night Mode for not disturbing others

■ Function Rename

■ Input Function Level

■ REC OUT Selector

■ Front Panel Inputs (with S-Video, Digital Optical Input)

■ Front A/B Speaker Terminals

■ New user-friendly remote

■ High-grade 7 Channel Speaker Terminals (all ch)

■ Frequency Synthesis Tuning

- 56-Station AM/FM/XM Random Preset Memory Tuning
- Auto Preset Memory (AM/FM)

Input/Output Terminals For Every A/V System

Audio Inputs

9 sets of Analog Inputs

PHONO, CD, (TUNER), DVD/VDP, TV/DBS, VCR-1, VCR-2, CDR/TAPE, V.AUX(FRONT)

8 Analog EXT. Inputs

FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUBWOOFER

6 Digital Inputs

OPTICAL x 4 (incl. FRONT x 1)
COAXIAL x 2

Audio Outputs

1 set of Analog PRE OUT Terminals

7.1 ch

2 sets of Analog REC OUT Terminals

VCR, CDR/TAPE

1 Digital Output

OPTICAL x 1

Video Inputs

3 sets of Component Video Inputs

VIDEO1, VIDEO2, VIDEO3

5 Composite Inputs

DVD/VDP, TV/DBS, VCR-1, VCR-2, V.AUX(FRONT)

5 S-Video Inputs

DVD/VDP, TV/DBS, VCR-1, VCR-2, V.AUX(FRONT)

Video Outputs

1 set of Component Video Outputs

MONITOR

3 Composite Outputs

VCR-1, VCR-2, MONITOR

3 S-Video Outputs

VCR-1, VCR-2, MONITOR

Specifications

Power Amplifier Section

Rated output *THD figures are power amp stage values.

Channel	Rated Output	THD
Front	100 W + 100 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	135 W + 135 W	(6 ohms, 1 kHz, 0.7 % THD)
Center	100 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	135 W	(6 ohms, 1 kHz, 0.7 % THD)
Surround	100 W + 100 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	135 W + 135 W	(6 ohms, 1 kHz, 0.7 % THD)
Surround Back	100 W + 100 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	135 W + 135 W	(6 ohms, 1 kHz, 0.7 % THD)

Preamplifier Section

Input sensitivity/Impedance

PHONO(MM)	2.5 mV/47 kohms
CD, DVD/VDP, TV/DBS, VCR-1, VCR-2, CDR/TAPE, V.AUX(FRONT)	200 mV/47 kohms

Output level/Load impedance

SUBWOOFER	1.2 V/10 kohms
CDR/TAPE, VCR-1, VCR-2	200 mV/47 kohms

Frequency response

10 Hz - 100 kHz (+1, -3 dB) (Tone Defeat On)

Signal-to-noise ratio

100 dB (IHF-A weighted) (Tone Defeat On)

Tone control

Treble: ±6 dB at 10 kHz

Bass: ±6 dB at 100 Hz

FM Section

Tuning frequency range

87.5 - 107.9 MHz

Usable sensitivity

1.0 μV (11.2 dBf)

AM Section

Tuning frequency range

520 - 1710 kHz

Usable sensitivity

18 μV

General

Power supply

AC 120 V, 60 Hz

Power consumption

5.5 A

Dimensions

17-3/32" (W) x 6-47/64" (H) x 16-27/64" (D)

434 (W) x 171 (H) x 417 (D) mm

29 lbs5oz

13.0 kg



*Design and specifications are subject to change without notice.

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*DTS is registered trademarks of DTS Technology.

*iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.

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